

PHNL031042

PCT/IB2004/051518

8

CLAIMS:

1. A method of recording information on a multi layer record carrier, said record carrier comprising at least two information layers for recording the information, wherein the information to be recorded is distributed over the at least two layers according to a distribution pattern such that the amount of information stored on the at least two layers differs between the layers by a predefined amount of information or less.
5
2. Method as claimed in claim 1 wherein the information is recorded in subsequent blocks, each block for holding the predefined amount of information, and wherein the distribution pattern is such that two subsequent blocks are not recorded on the same information layer.
10
3. Method according to claim 1 or 2, wherein areas holding recorded information on the at least two layers are superjacent.
- 15 4. Method according to claim 1 or 2, wherein the predefined amount of information is significantly less than the total amount of storage space available on one of the at least two information layers.
- 20 5. Method according to claim 2, wherein the method comprises
an initialization step of setting the size of said block for holding the predefined amount of information, and
a subsequent recording step of recording information on said at least two information layers such that the information is recorded alternately on said at least two information layers, the recording step comprising the steps of recording information on a layer until the block for holding the predefined amount of information is filled, and
25 subsequently recording information on a different layer of said at least two information layers.

PHNL031042

PCT/IB2004/051518

6. Method according to claim 5, wherein in the initialization step a value indicative of the size of the block for holding the predefined amount of information is read from the record carrier, and wherein the size of the block for holding the predefined amount of information is set in dependence on the read value.

5

7. Method according to claim 6, wherein the method comprises a further step of recording a value indicative of the set size of the block for holding the predefined amount of information on the record carrier.

10 8. Method according to claim 5, wherein the size of the block for holding the predefined amount of information is set in dependence on the amount of information to be stored, or on the way the information to be stored is supplied to the method, or on the type of the application supplying the information.

15 9. A method of recording information on a multi layer record carrier, said record carrier comprising at least two information layers for storing the information, wherein the method comprises

a first initialization step of setting the size of a first block for holding the predefined amount of information, and a subsequent first recording step in a first recording session for recording information on said at least two information layers such that the information is recorded alternately on said at least two information layers, the first recording step comprising the steps of recording information on a layer until the first block for holding the predefined amount of information is filled, and subsequently recording information on a different layer of said at least two information layers, and

25 a second initialization step of setting the size of a second block for holding the predefined amount of information, and a subsequent second recording step in a second recording session, the second recording step comprising the steps of recording information on a layer until the second block for holding the predefined amount of information is filled, and subsequently recording information on a different layer of said at least two information layers

30

10. A recording device for recording information on a multi layer record carrier, said record carrier comprising at least two information layers for recording the information,

PHNL031042

PCT/IB2004/051518

10

wherein the device is adapted for carrying out a method as claimed in any of the preceding claims.

11. A multi layer record carrier comprising at least two information layers for
5 storing information, said record carrier comprising a region holding parameter values
indicative of a recording process for recording information on the record carrier,
characterized in that said region comprises a value indicative of the size of a block for
holding a predefined amount of information, said value indicative of the size of the block for
holding the predefined amount of information used in a method according to claim 6 or 7.